

09/927,625 (QUA-103)

12/9/2004

**LISTING OF SPECIFICATION CHANGES**

Please amend the Abstract as follows:

Multithreaded data- ~~and context~~-flow processing is achieved by flowing data and context  
5 (thread) identification tokens through specialized cores (functional blocks, intellectual  
property). Each context identification token defines the identity of a context and associated  
context parameters affecting the processing of the data tokens. Parameter values for different  
contexts are stored in a distributed manner throughout the cores. Upon a context switch, only  
the identity of the new context is propagated. The parameter values for the new context are  
10 retrieved from the distributed storage locations. Different cores of the system and different  
pipestages within a core can work simultaneously in different contexts. The described  
architecture does not require long propagation distances for parameters upon context switches,  
or that an entire pipeline finish processing in one context before starting processing in another.  
The system is ~~is~~ can be effectively controlled by the flow of data and context identification  
15 tokens therethrough. ~~No master context controller is needed.~~